

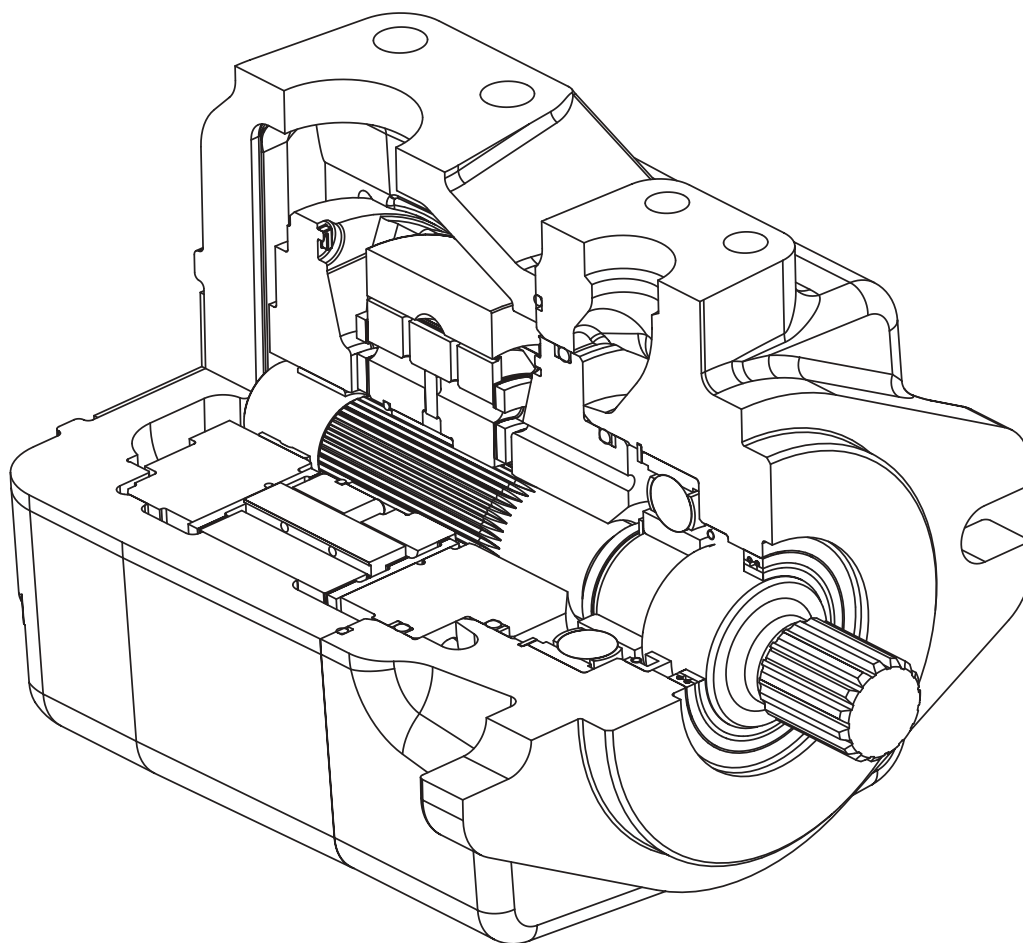
**EATON**

**Vickers**

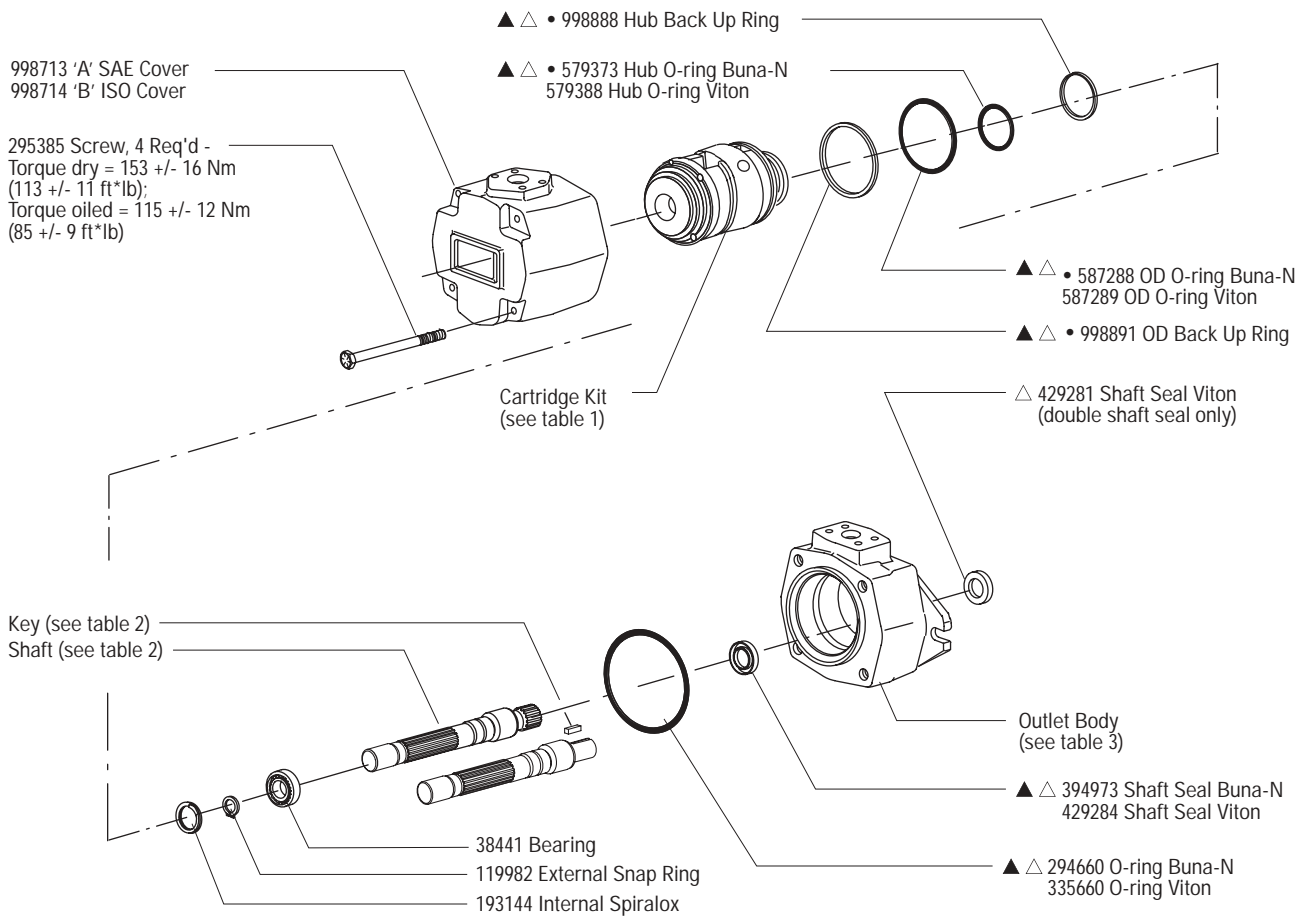
**High Pressure, High Performance  
Vane Pumps**

Parts Data

VMQ125S Series  
- 32 Design



**VICKERS**<sup>®</sup>



**Note:** Lubricate all parts and seals with a thin coat of oil at assembly.

- Included in Cartridge Kit (see table 1)
- ▲ Included in STD Single Seal Kit 02-334550 or Viton® Seal Kit 02-334551.
- △ Included in STD Double Seal Kit 02-334633 or Viton® Seal Kit 02-334634..
- \* See Table X1 and X2 for Kit Rotation Information

**TABLE X1**

**Cartridge Kit Rotation for Right Hand Rotation Pump**

PUMP ROTATION	SHAFT END KIT ROTATION		COVER END KIT ROTATION
	R= Right Hand Rotation	L=Left Hand Rotation	
Single & Thru (R)	(R)	-	-

- \*Notes:
- A right hand rotation pump has the shaft turning clockwise when viewed from the input shaft end
  - When ordering a right hand rotation kit, the part number will not have a suffix

**TABLE X2**

**Cartridge Kit Rotation for Left Hand Rotation Pump**

PUMP ROTATION	SHAFT END KIT ROTATION		COVER END KIT ROTATION
	R= Right Hand Rotation	L=Left Hand Rotation	
Single & Thru (L)	(L)	-	-

- \*Notes:
- A left hand rotation pump has the shaft turning counterclockwise when viewed from the input shaft end
  - When ordering a left hand rotation kit, the part number will have a suffix of '-L'

**TABLE 1**

MODEL CODE	* • CARTRIDGE KIT (BUNA-N)*	* • CARTRIDGE KIT (VITON)*
VMQ125*010	02-347013	02-347014
VMQ125*016	02-347011	02-347012
VMQ125*020	02-347009	02-347010
VMQ125*025	02-347007	02-347008
VMQ125*032	02-347005	02-347006
VMQ125*040	02-347003	02-347004
VMQ125*045	02-347001	02-347002
VMQ125*050	02-346999	02-347000
VMQ125*063	02-346997	02-346998
VMQ125*071	02-346995	02-346996
VMQ125*080	02-346993	02-346994
VMQ125*090	02-347102	02-347103

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**TABLE 2**

MODEL CODE	SHAFT	KEY
VMQ125S-*-*-*-01	932890	928540
VMQ125S-*-*-*-02	932852	—
VMQ125S-*-*-*-03	932891	928545
VMQ125S-*-*-*-04	932892	928563
VMQ125S-*-*-*-05	932893	928541
VMQ125S-*-*-*-06	932894	—
VMQ125S-*-*-*-07	932895	928546
VMQ125S-*-*-*-08	932896	928564
VMQ125S-*-*-*-09	932897	—

**TABLE 3**

Flange Mounting Style	Single Shaft Seal		Double Shaft Seal	
	Inch Port Threads	Metric Port Threads	Inch Port Threads	Metric Port Threads
SAE B	998600	998602	998601	998603
ISO 100	—	998604	—	998605

# Model Code

VMQ1    \*\*    \*    \*\*\*    \*    \*    \*\*    \*\*    \*    \*    \*    \*    \*    \*    \*    \*    00    \*    0    32

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1 2 3 4    5 6    7    8 9 10    11    12    13 14    15 16    17    18    19    20    21    22    23 24    25    26    27 28

**1 2 3 4** Series designation  
VMQ1 – Vane pump single series

**5 6** Frame size  
25 – 10-90 cm<sup>3</sup>/r  
(0.62-5.49 in<sup>3</sup>/r)

**7** Pump type  
S – Single

**8 9 10** Displacement  
Frame size 25

010 – 10 cm<sup>3</sup>/r (0.62 in<sup>3</sup>/r)  
016 – 16 cm<sup>3</sup>/r (0.98 in<sup>3</sup>/r)  
020 – 20 cm<sup>3</sup>/r (1.23 in<sup>3</sup>/r)  
025 – 25 cm<sup>3</sup>/r (1.58 in<sup>3</sup>/r)  
032 – 32 cm<sup>3</sup>/r (1.96 in<sup>3</sup>/r)  
040 – 40 cm<sup>3</sup>/r (2.44 in<sup>3</sup>/r)  
045 – 45 cm<sup>3</sup>/r (2.75 in<sup>3</sup>/r)  
050 – 50 cm<sup>3</sup>/r (3.05 in<sup>3</sup>/r)  
063 – 63 cm<sup>3</sup>/r (3.84 in<sup>3</sup>/r)  
071 – 71 cm<sup>3</sup>/r (4.33 in<sup>3</sup>/r)  
080 – 80 cm<sup>3</sup>/r (4.88 in<sup>3</sup>/r)  
090 – 90 cm<sup>3</sup>/r (5.49 in<sup>3</sup>/r)

**11** Front flange mounting style  
A – SAE B 2-bolt  
101,60 (4.000) x 9,4  
(0.37) pilot  
14,4 (0.57) slots on  
146,0 (5.75) bolt circle

C – ISO 3019/2 100A2HW  
2-bolt  
100,00 (3.937) x 9,2  
(0.36) pilot  
14,1 (0.56) slots on  
140,0 (5.51) bolt circle

**12** Rear mounting flange  
and orientation  
0 – None (non thru-drive)

**13 14** Input shaft type\*  
01 – SAE J744 keyed  
Frame size 25:  
25,40 (1.000)  
02 – SAE J744 splined  
Frame size 25: B-B  
03 – ISO 3019/2 keyed  
Frame size 25:  
25,00 (0.984)  
05 – SAE J744 keyed  
Frame size 25:  
31,75 (1.250)  
06 – SAE J744 splined  
Frame size 25: C  
07 – ISO 3019/2 keyed  
Frame size 25: 32,00 (1.260)  
09 – SAE J744 splined  
Frame size 25: B

**15 16** Output shaft coupling  
00 – None (non thru-drive)

**17** Inlet port type  
A – SAE J518 4-bolt split  
flange  
B – ISO 6162 4-bolt split  
flange

**18** Outlet port type  
A – SAE J518 4-bolt flange  
B – ISO 6162 4-bolt flange

**19** Outlet port position  
Viewed from cover end of  
pump  
A – Opposite inlet port  
B – 90° CCW to inlet port  
C – In-line with inlet port  
D – 90° CW to inlet port

**20** Shaft seal  
A – Single, primary  
B – Double, secondary  
(spring side out)  
Recommended for wet  
mount applications

**21** Seal type  
N – Buna N  
V – Viton  
W – Buna N with Viton shaft  
seal(s)

**22** Shaft rotation  
Viewed from shaft end  
of pump

L – Left hand (CCW)  
R – Right hand (CW)

**23 24** Special features  
00 – None

**25** Paint  
0 – None  
A – Blue

**26** Customer identification  
0 – None

**27 28** Design code  
32 – 32 design  
Installation dimensions  
remain unchanged for  
design numbers 30 to 39  
inclusive.

\* Verify shaft torque ratings meet or exceed input torque requirements

Eaton  
14615 Lone Oak Road  
Eden Prairie, MN 55344  
USA  
Tel: 952 937-9800  
Fax: 952 974-7722  
[www.hydraulics.eaton.com](http://www.hydraulics.eaton.com)

Eaton  
20 Rosamond Road  
Footscray  
Victoria 3011  
Australia  
Tel: (61) 3 9319 8222  
Fax: (61) 3 9318 5714

Eaton  
Dr.-Reckeweg-Str. 1  
D-76532 Baden-Baden  
Germany  
Tel: (49) 7221 682-0  
Fax: (49) 7221 682-788

**VICKERS**<sup>®</sup>

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